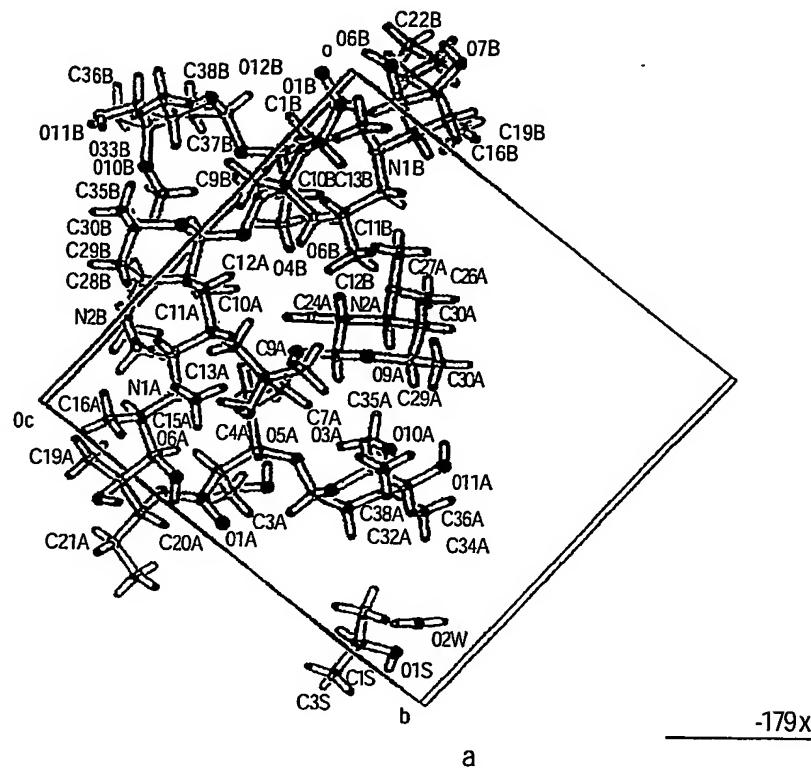


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a

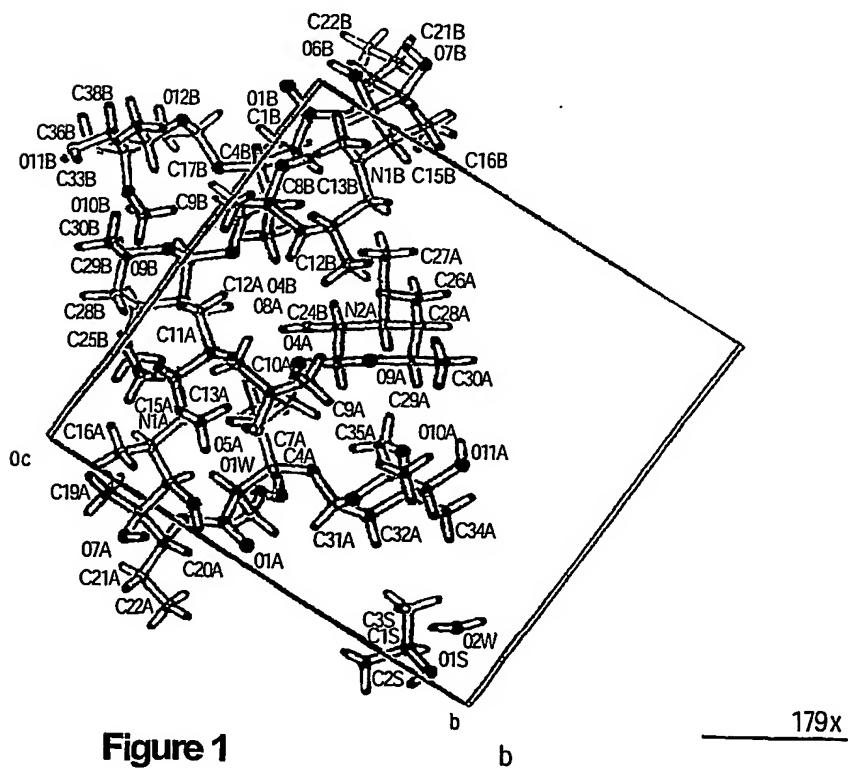


Figure 1

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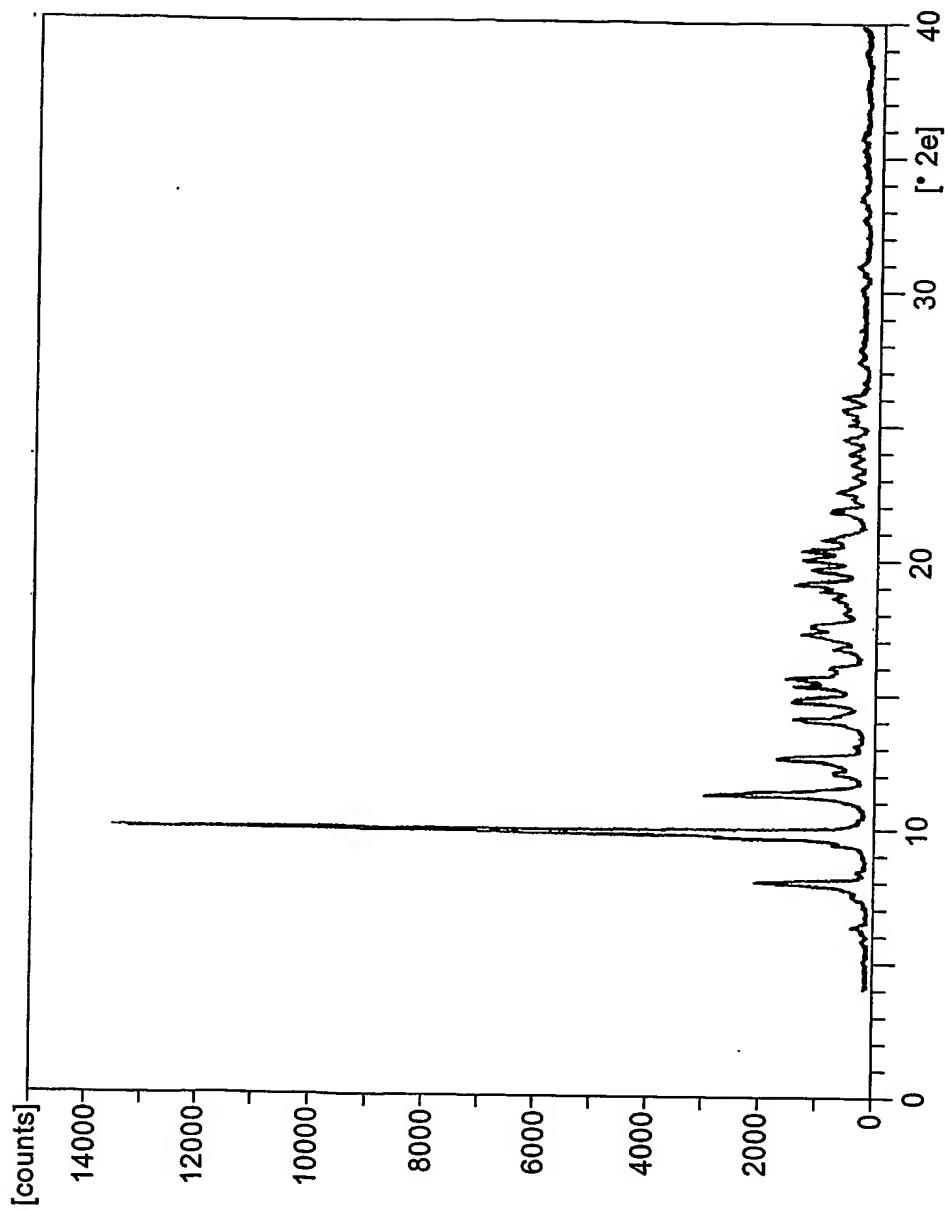


Figure 2

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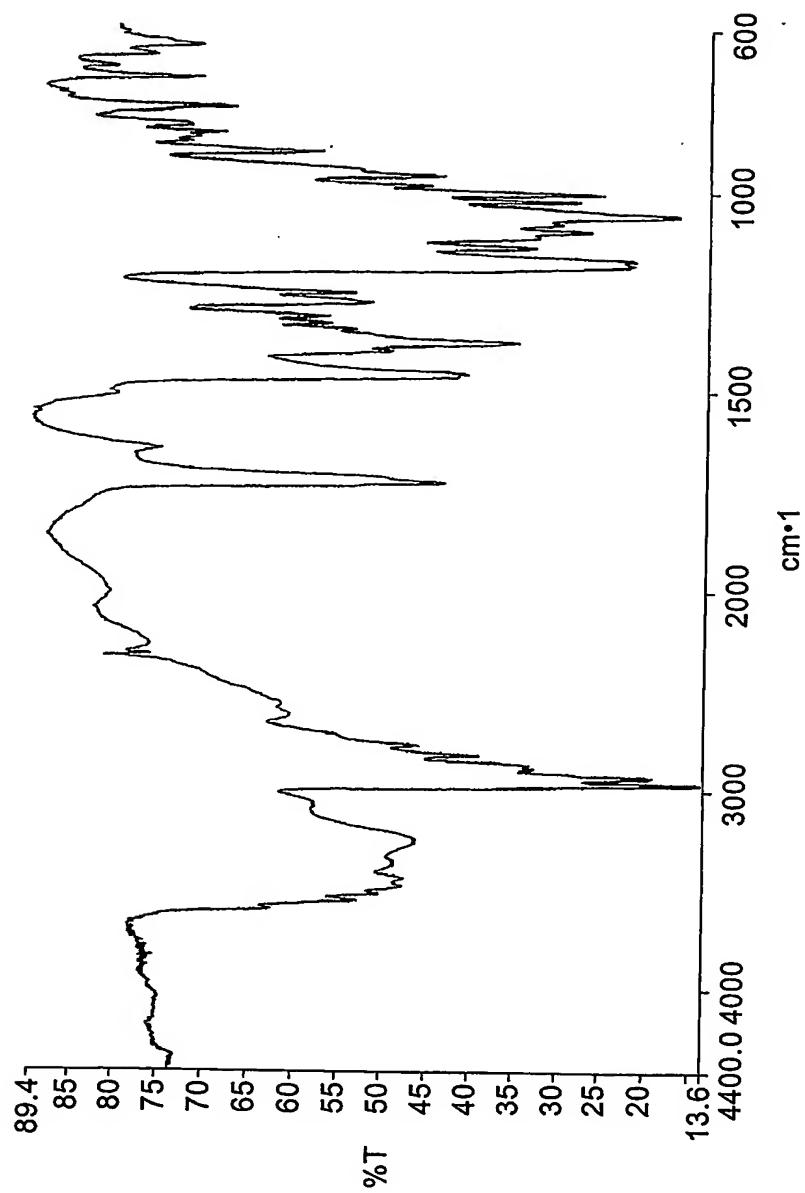


Figure 3

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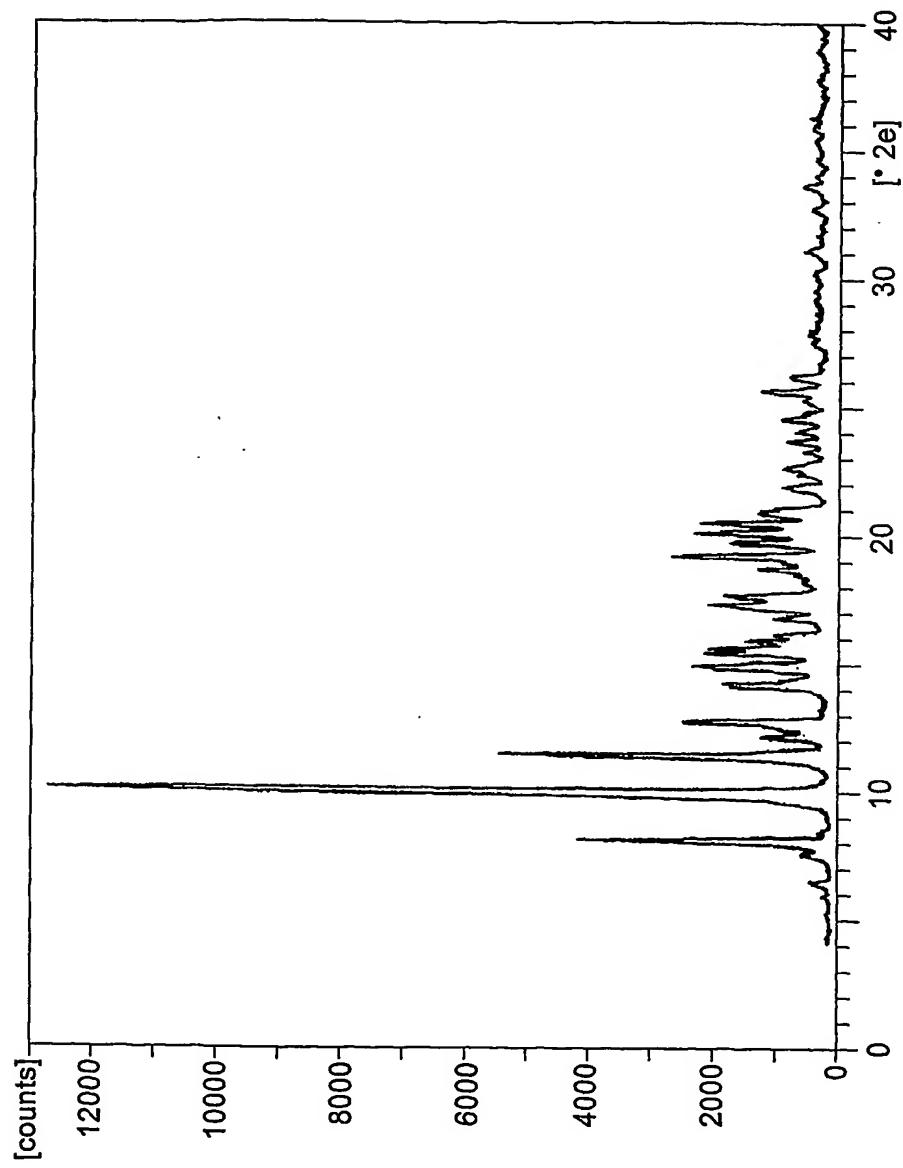


Figure 4

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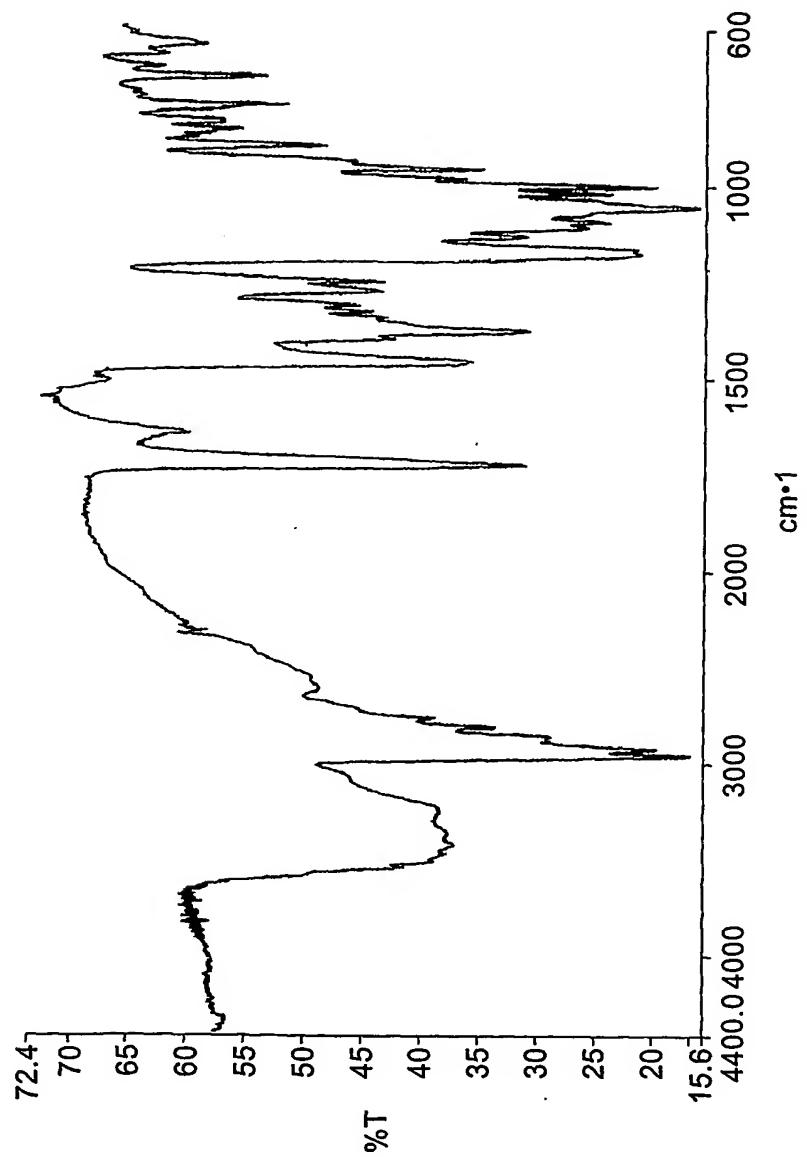


Figure 5

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Azithromycin • (H₂O)_x • [isopropanol] Single Crystal x-ray Diffraction Structure Information

X and Y Ratio	X = 1.5, y = 0.25	X = 1.5, y = 0.25	X = 0.75, y = 0.5
Crystallization condition	IPA with same volume of water	IPA with half volume of water	IPA with same minimum of water
Empirical Formula	C ₃₈ H ₇₇ N ₂ O _{13.75}	C ₃₈ H ₇₇ N ₂ O _{13.75}	C ₃₈ H ₇₇ N ₂ O _{13.75}
Formula Weight	791.02	791.02	792.54
Crystal System	Monoclinic	Monoclinic	Monoclinic
Space Group	P2(1)	P2(1)	P2(1)
Unit Cell Dimensions	a = 16.2441 (4) Å b = 16.1093(5) Å c = 18.4311(5) Å	a = 16.2484 (2) Å b = 16.1191(3) Å c = 18.4316(3) Å	a = 16.1702 (2) Å b = 15.9532(3) Å c = 18.4639(3) Å
		$\alpha = 90^\circ$ $\beta = 108.717(2)^\circ$ $\gamma = 90^\circ$	$\alpha = 90^\circ$ $\beta = 108.7700(2)^\circ$ $\gamma = 90^\circ$
Volume	4568.0(2) Å ³	4570.68(13) Å ³	4512.91(13) Å ³
Z	4	4	4
Density (calculate)	1.150 Mg/m ³	1.150 Mg/m ³	1.166 Mg/m ³
R indices (all data)	R1 = 0.1040, wR2 = 0.2109	R1 = 0.0864, wR2 = 0.1950	R1 = 0.0840, wR2 = 0.1824

Table 1